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Course Name

Shutdown & Turnaround Performance Management

Sector Name

Maintenance & Reliability Management

Document Type

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Shutdown & Turnaround Performance Management

Course Introduction

Major shutdowns and turnarounds create a concentrated period in which organizations must complete large volumes of maintenance, inspection, repair, and modification work while critical assets are unavailable for normal operation. A poorly defined scope, late materials, unrealistic schedules, uncontrolled additional work, contractor coordination problems, or delayed equipment handover can quickly extend downtime and increase costs. Successful performance therefore depends on decisions made long before the shutdown begins as well as disciplined control during execution.

Boost Consulting & Training offers this course to develop the practical capabilities required to plan, prepare, execute, and control major maintenance shutdowns and turnarounds. The program covers scope development, work prioritization, readiness, scheduling, resources and contractors, materials, execution control, emerging work, progress monitoring, handover, restart, and post-turnaround learning.

Participants work through realistic scenarios where schedule, scope, resources, cost, and asset readiness must be managed simultaneously.



The **main concept of this course** is to treat a shutdown or turnaround as a tightly controlled maintenance event in which scope, readiness, execution, and restart must remain aligned to achieve the required work within the available outage window.

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Target Audience

- ✓ Maintenance and turnaround managers
- ✓ Shutdown planners and schedulers
- ✓ Maintenance and reliability engineers
- ✓ Operations and technical supervisors involved in major outages

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Learning Objectives

- ✓ Define and control the maintenance scope of a shutdown or turnaround.
- ✓ Prioritize work according to asset criticality and outage opportunity.
- ✓ Assess readiness before equipment is taken out of service.
- ✓ Develop realistic schedules around work dependencies and resource constraints.
- ✓ Coordinate internal teams, contractors, materials, tools, and specialist services.
- ✓ Control additional and emerging work during shutdown execution.
- ✓ Monitor progress and respond to schedule deviations and execution bottlenecks.
- ✓ Manage handover, restart, closeout, and post-turnaround performance review.

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Course Outline

✓ DAY 01

Building the Right Shutdown Scope

Defining the Outage Work

- ✓ Identify maintenance, inspection, repair, and modification work that genuinely require shutdown access.
- ✓ Separate essential outage work from activities that can be completed during normal operations.
- ✓ Challenge proposed scope against asset conditions, operational need, and available outage time.

Controlling Scope of Growth

- ✓ Establish criteria for adding, deferring, or rejecting proposed shutdown work.
- ✓ Prioritize competing jobs according to criticality, consequence, and outage opportunity.
- ✓ Build a Shutdown Scope Priority Map for a constrained maintenance window.

Shutdown & Turnaround Performance Management

Course Outline

✓ DAY 02

Creating Shutdown Readiness

Preparing Work before the Outage

- ✓ Confirm job plans, technical information, permits, isolation requirements, tools, and access arrangements.
- ✓ Verify availability of materials, critical spare parts, specialist equipment, and external services.
- ✓ Identify incomplete preparation that could create execution delays.

Coordinating Resources and Contractors

- ✓ Estimate labor and skill requirements across major work packages.
- ✓ Coordinate internal teams and contractors around shared resources and work areas.
- ✓ Complete a Shutdown Readiness Review to determine whether the planned outage is ready to proceed.

Shutdown & Turnaround Performance Management

Course Outline

✓ DAY 03

Building an Executable Turnaround Schedule

Sequencing the Shutdown

- ✓ Map equipment isolation, access, maintenance, inspection, testing, and reinstatement activities.
- ✓ Identify dependencies and work packages that determine overall outage duration.
- ✓ Coordinate simultaneous activities without creating resource or access conflicts.

Stress Testing the Plan

- ✓ Identify schedule vulnerabilities and activities with limited recovery flexibility.
- ✓ Evaluate resource loading against the available execution window.
- ✓ Build and test a Turnaround Execution Schedule against realistic disruption scenarios.

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Course Outline

✓ DAY 04

Controlling Shutdown Execution

Managing Daily Performance

- ✓ Track actual progress against planned work and critical activities.
- ✓ Identify emerging bottlenecks before they affect overall completion.
- ✓ Coordinate rapid decisions between maintenance, operations, contractors, and technical teams.

Controlling Emerging Work

- ✓ Assess additional work discovered after equipment is opened or inspected.
- ✓ Decide whether new work should be executed, deferred, or managed through another response.
- ✓ Run an Emerging Work Decision Simulation under time, cost, and resource constraints.

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Course Outline

✓ DAY 05

Returning Assets to Reliable Operation

Managing Handover and Restart

- ✓ Verify completion status before equipment is released for reinstatement.
- ✓ Coordinate testing, inspection clearance, system handover, and operational readiness.
- ✓ Manage outstanding items without compromising safe and reliable restart.

Learning from Turnaround Performance

- ✓ Compare planned and actual scope, duration, resources, cost, and execution performance.
- ✓ Capture lessons that can improve preparation and execution of future outages.
- ✓ Produce a Shutdown & Turnaround Performance Review with prioritized actions for the next maintenance event.

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Confirmed Sessions

FROM	TO	DURATION	FEES	LOCATION
Dec. 14, 2026	Dec. 18, 2026	5 days	4250.00 \$	UAE , Dubai
Jan. 24, 2027	Jan. 28, 2027	5 days	4250.00 \$	KSA , Riyadh
April 26, 2027	April 30, 2027	5 days	4250.00 \$	UAE , Abu Dhabi
Aug. 30, 2027	Sept. 3, 2027	5 days	4950.00 \$	Singapore , Singapore

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